Update on the Key
Initiatives Recommended
by NTT Data regarding the
Agency Cyber Security
Framework

60×30TX

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Texas Higher Education

Coordinating Board

Zhenzhen Sun Assistant Commissioner Information Solutions and Services John House Information Security Officer Information Solutions and Services

AOC - October 25th, 2017



Background Information

NTT Data, Inc.

- ☐ is a vendor contracted by the Department of Information Resources (DIR).
- performed an assessment of the THECB's cybersecurity infrastructure using the TX Cyber Security Framework between April and June, 2017.
- ☐ presented the final report and recommendations to the Board in a Special Called Board meeting on June 28th, 2017.

TX Cyber Security Framework

- ☐ Senate Bill 1134, 83rd Texas Legislature, required DIR develop strategies and a framework for the securing of cyber infrastructure by state agencies.
- ☐ DIR subsequently worked with a committee and developed a framework and template that can help agencies comply with requirements.



NTT Data Assessment Results

- There are 40 objectives in the TX Cyber Security Framework.
- THECB scored higher than the state agency average in 34 objectives.

- 3 objectives received scores equal to the state agency average
- 3 objectives received scores lower than the state agency average
 - Security Awareness and Training
 - ☐ Identification & Authentication
 - ☐ Cybersecurity Incident Response



Implementation Strategy and Progress Reports

- The Implementation Roadmap is composed of 9 major initiatives.
- The Assistant Commissioner of Information Solutions and Services (ISS) and the agency Information Security Officer (ISO) will update the Board on a quarterly basis during FY18.
- First Quarterly Progress Report
 - ☐ We've been making good strides in meeting the goals and objectives.
 - ☐ Due to the mandated hiring freeze, so far the pace of progress has not been as fast as we'd hoped.
 - ☐ ISS is working on making the Information Security team fully staffed in November.



Progress Report – FY18 Q1

Policies & Procedures Framework Development

- Established a formal security governance structure
- Completed updates to Policy for Configuration Management and Incident Response
- Completed updates to 7 security-related procedures supporting NTT Data recommendations

Security Risk Assessment

- Established a risk assessment tool
- Adapted the tool to be data centric data is one of the agency's most valuable assets
- Working with Application and Data Owners to verify the risk profile and collect data relationships
- Results will be documented and presented to the agency executive management team



Progress Report – FY18 Q1

Security Role Based Training Program

- Completed Phase I training to the agency staff
 □ Safeguarding Sensitive PII (Personally Identifiable Information)
- Currently developing training content on Data Owner Roles and Responsibilities

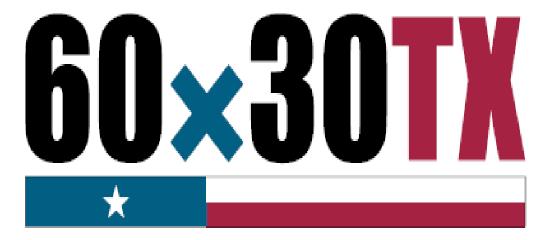
Asset Inventory

- Ran USB Device Survey to collect information on use at the agency
- Currently building an agency-wide data and systems inventory with results to feed into subsequent data and assets management process
- Developing additional USB and removable media device controls and inventory process

Configuration Hardening Standards

 Risk Assessment results will be used to prioritize documenting and the implementation of configuration hardening for agency critical assets





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